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## SEQUENCE LISTING

&lt;110&gt; HOECHST MARION ROUSSEL

<120> METHOD FOR SCREENING ANTIMYCOTIC SUBSTANCES USING  
ESSENTIAL GENES FROM S.CEREVISIAE

&lt;130&gt; 16363PC RUU 7

&lt;140&gt;

&lt;141&gt;

&lt;150&gt; 98402254.1

&lt;151&gt; 1998-09-11

&lt;150&gt; 98401007.4

&lt;151&gt; 1998-04-24

&lt;160&gt; 180

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 59

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: primer  
YLR243w-S1

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atgtcttcgcg ttggtgtcat ggtattagga cctgcaggtg cagctgaagc ttcttacgc 59

&lt;210&gt; 2

&lt;211&gt; 59

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: primer  
YLR272c-S1

&lt;400&gt; 2

tttgggtctc gcactttctc agtcttccaa ctaatttctc cagctgaagc ttcttacgc 59

&lt;210&gt; 3

&lt;211&gt; 59

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: primer  
YLR275w-S1

&lt;400&gt; 3

ccgtttttatc atgtcgtatg ttgatctta accattttta cagctgaagc ttcttacgc 59

<210> 4  
<211> 62  
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<223> Description of Artificial Sequence: primer  
YLR275w-S2

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tg 62

15 <210> 5  
<211> 59  
<212> DNA  
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20 <220>  
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YLR276c-S1

25 <400> 5  
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<210> 6  
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<212> DNA  
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30 <220>  
<223> Description of Artificial Sequence: primer  
YLR276c-S2

35 <400> 6  
agctatgaga aaaagtctgt ggaaggcgct tatattgacg gcataggcca ctagtggatc 60  
tg 62

40 <210> 7  
<211> 59  
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45 <220>  
<223> Description of Artificial Sequence: primer  
YLR317w-S1

50 <400> 7  
ctgccatctt ctgccaccac tttgtccttc tttcttgatg cagctgaagc ttcgtacgc 59

<210> 8  
<211> 59  
<212> DNA  
<213> Artificial Sequence

55 <220>  
<223> Description of Artificial Sequence: primer  
YLR359w-S1

<400> 8  
ggctattgct gagaaggaat tgggcttaac tgttggtaca cagctgaagc ttcgtacgc 59

<210> 9  
<211> 62  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: primer  
YLR359w-S2

<400> 9  
aacttgactt gttcatcggt taggtacttt tggaaaggtt gcataggcca ctagtggatc 60  
tg 62

<210> 10  
<211> 59  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: primer  
YLR373c-S1

<400> 10  
acacacaggt acagagtgct gaaagaggat tgggtgttgc cagctgaagc ttcgtacgc 59

<210> 11  
<211> 62  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer  
YLR373c-S2

<400> 11  
caaacagact ttgttccttt gtatgtccta tggagatac gcataggcca ctagtggatc 60  
tg 62

<210> 12  
<211> 59  
<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer  
YLR424w-S1

<400> 12  
gacatgacat acactaatga tgccttgaaa actagtagcg cagctgaagc ttcgtacgc 59

<210> 13  
<211> 62  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer  
YLR424w-S2

5

<400> 13

ataggtactt tctagaggtc aagggcccat aaataaattg gcataggcca ctagtggatc 60  
tg 62

10

<210> 14

<211> 59

<212> DNA

<213> Artificial Sequence

15

<220>

<223> Description of Artificial Sequence: primer  
YLR437c-S1

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<400> 14

attgtgcaag tctgttaaag tcttctcttg gatccattaa cagctgaagc ttcgtacgc 59

<210> 15

<211> 62

<212> DNA

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer  
YLR437c-S2

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<400> 15

catcacacac taatacagga acaaacaaga cttaatggac gcataggcca ctagtggatc 60  
tg 62

35

<210> 16

<211> 59

<212> DNA

<213> Artificial Sequence

40

<220>

<223> Description of Artificial Sequence: primer  
YLR440c-S1

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<400> 16

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<210> 17

<211> 62

<212> DNA

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer  
YLR440c-S2

55

<400> 17

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tg 62

<210> 18  
<211> 59  
<212> DNA  
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YFL024c-S1

10 <400> 18  
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<210> 19  
15 <211> 62  
<212> DNA  
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20 <223> Description of Artificial Sequence: primer  
YML049c-S2

<400> 19  
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tg 62

<210> 20  
<211> 62  
<212> DNA  
30 <213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer  
YFL024c-S2

35 <400> 20  
acaccttcaa acgctataga gatcaatgac ggttcgcata gcataggcca ctagtggatc 60  
tg 62

40 <210> 21  
<211> 59  
<212> DNA  
<213> Artificial Sequence

45 <220>  
<223> Description of Artificial Sequence: primer  
YFR003c-S1

50 <400> 21  
tgttgaagag gttcccgag ttttgcagct tcgagcaact cagctgaagc ttcgtacgc 59

<210> 22  
<211> 62  
55 <212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer  
YFR003c-S2

<400> 22

5 atcttcttttg tctacgttcg ttaaagtcaa gatccttctc gcataggcca ctagtggatc 60  
tg 62

<210> 23

<211> 59

10 <212> DNA

<213> Artificial Sequence

<220>

15 <223> Description of Artificial Sequence: primer  
YFR027w-S1

<400> 23

aatgaaagct aggaaatcgc agagaaaagc gggcagtaaa cagctgaagc ttcgtacgc 59

20 <210> 24

<211> 62

<212> DNA

<213> Artificial Sequence

25 <220>

<223> Description of Artificial Sequence: primer  
YFR027w-S2

<400> 24

30 aatttggttg cgatacccaa cttccttgct gtctgcaca gcataggcca ctagtggatc 60  
tg 62

<210> 25

<211> 59

35 <212> DNA

<213> Artificial Sequence

<220>

40 <223> Description of Artificial Sequence: primer  
YFR042w-S1

<400> 25

agtttgcacc aatggcaata tgctgtgat aaagataagg cagctgaagc ttcgtacgc 59

45 <210> 26

<211> 62

<212> DNA

<213> Artificial Sequence

50 <220>

<223> Description of Artificial Sequence: primer  
YFR042w-S2

<400> 26

55 catggaagtt atttggttgc ttagattcca cgggttcaaa gcataggcca ctagtggatc 60  
tg 62

<210> 27

<211> 59  
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<220>  
<223> Description of Artificial Sequence: primer  
YIL109c-S1

10 <400> 27  
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<210> 28

<211> 59

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YML077w-S1

20 <400> 28  
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<210> 29

<211> 62

<212> DNA

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YIL109c-S2

35 <400> 29  
tcatgatttg taagaattct ctgtaacttt cgttattcaa gcataggcca ctagtggatc 60  
tg 62

<210> 30

<211> 59

<212> DNA

40 <213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer  
YIL091c-S1

45 <400> 30  
agtgcacgtt ctgtgaggga aaagaatgat aatttcctg cagctgaagc ttcgtacgc 59

<210> 31

50 <211> 62

<212> DNA

<213> Artificial Sequence

<220>  
55 <223> Description of Artificial Sequence: primer  
YIL091c-S2

<400> 31

cattgtaaaa ttcaggattg tttggaggct tataaaaaac gcataggcca ctagtggatc 60  
tg 62

<210> 32  
<211> 59  
<212> DNA  
<213> Artificial Sequence

<220>

10 <223> Description of Artificial Sequence: primer  
YIL083c-S1

<400> 32  
acctctaccc gtgctcaaca gacctcaaat tcatacgtct cagctgaagc ttcgtaagc 59

15

<210> 33  
<211> 62  
<212> DNA  
<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: primer  
YIL083c-S2

25

<400> 33  
cgatgacttc tgggattatc atctcttcaa tgatatgggtg gcataggcca ctagtggatc 60  
tg 62

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<210> 34  
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<220>  
<223> Description of Artificial Sequence: primer  
YIL019w-S1

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<400> 34  
ttcaaagaaa agcttttgaa agtcagttcg gatctttaga cagctgaagc ttcgtaagc 59

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<210> 35  
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<223> Description of Artificial Sequence: primer  
YIL019w-S2

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tg 62

55

<210> 36  
<211> 59  
<212> DNA  
<213> Artificial Sequence



&lt;220&gt;

<223> Description of Artificial Sequence: primer  
YIL104c-S1

5 <400> 36  
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&lt;210&gt; 37

&lt;211&gt; 62

10 &lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

15 <223> Description of Artificial Sequence: primer  
YIL104c-S2

&lt;400&gt; 37

cctgatacct gtaatgattg caatcttgat gagagagctg gcataggcca ctagtggatc 60  
tg 62

20

&lt;210&gt; 38

&lt;211&gt; 59

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

25

&lt;220&gt;

<223> Description of Artificial Sequence: primer  
YIR010w-S1

30 <400> 38  
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&lt;210&gt; 39

&lt;211&gt; 62

35 &lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

40 <223> Description of Artificial Sequence: primer  
YML077w-S2

&lt;400&gt; 39

ttctattggg gatctttctt gtccttgac ctctcatttc gcataggcca ctagtggatc 60  
tg 62

45

&lt;210&gt; 40

&lt;211&gt; 62

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

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&lt;220&gt;

<223> Description of Artificial Sequence: primer  
YIR010w-S2

55 <400> 40  
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tg 62